

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.

FIG. 1A

SEQUENCE OF EDG1

atg gcc gag cca ttc ttg tca gaa tat caa cac cag cct caa act agc	1
M A E P F L S E Y Q H Q P Q T S	
aac tgt aca ggt gct gct gct gtc cag gaa gag ctg aac cct gag cgc	32
N C T G A A A V Q E E L N P E R	
ccc cca ggc gcg gag gag cgg gtg ccc gag gag gac agt agg tgg caa	48
P P G A E E R V P E E D S R W Q	
tcg aga gcg ttc ccc cag ttg ggt ggc cgt ccg ggg ccg gag ggg gaa	64
S R A F P Q L G G R P G P E G E	
ggg agc ctg gaa tcc caa cca cct ccc ttg cag acc cag gcc tgt cca	80
G S L E S Q P P P L Q T Q A C P	
gaa tct agc tgc ctg aga gag ggc gag aag ggc cag aat ggg gac gac	96
E S S C L R E G E K G Q N G D D	
tcg tcc gct ggc ggc gac ttc ccg ccg ccg gca gaa gtg gaa ccg acg	112
S S A G G D F P P P A E V E P T	
ccc gag gcc gag ctg ctc gcc cag cct tgt cat gac tcc gag gcc agt	128
P E A E L L A Q P C H D S E A S	
aag ttg ggg gct cct gcc gca ggg ggc gaa gag gag tgg gga cag cag	144
K L G A P A A G G E E E W G Q Q	
cag aga cag ctg ggg aag aaa aaa cat aag aga cgc ccg tcc aag aag	160
Q R Q L G K K K H R R R P S K K	
aag cgg cat tgg aaa ccg tac tac aag ctg aac tgg gaa gag aag aaa	176
K R H W K P Y Y K L T W E E K K	
aag ttc gac gag aaa cag agc ctt cga gct tca agg atc cga gcc gag	192
K F D E K Q S L R A S R I R A E	
atg ttc gcc aag ggc cag ccg gtc gcg ccc tat aac acc acg cag ttc	208
M F A K G Q P V A P Y N T T Q F	
ctc atg gat gat cac gac cag gag gag ccg gat ctc aaa acc ggc ctg	224
L M D D H D Q E E P D L K T G L	
tac tcc aag cgg gcc gcc gcc aaa tcc gac gac acc agc gat gac gac	240
Y S K R A A A K S D D T S D D D	

Fig. 1B

ttc atg gaa gaa ggg ggt gag gag gat ggg ggc agc gat ggg atg gga	
F M E E G G E E D G G S D G M G	256
ggg gac ggc agc gag ttt ctg cag cgg gac ttc tcg gag acg tac gag	
G D G S E F L Q R D F S E T Y E	272
cgg tac cac acg gag agc ctg cag aac atg agc aag cag gag ctc atc	
R Y H T E S L Q N M S K Q E L I	288
aag gag tac ctg gaa ctg gag aag tgc ctc tcg cgc atg gag gac gag	
K E Y L E L E K C L S R M E D E	304
aac aac cgg ctg cgg ctg gag agc aag cgg ctg ggt ggc gac gac gcg	
N N R L R L E S K R L G G D D A	320
cgt gtg cgg gag ctg gag ctg gag ctg gag ctg gac cgg ctg cgc gcc gag aac	
R V R E L E L E L D R L R A E N	336
ctc cag ctg ctg acc gag aac gaa ctg cac cgg cag cag gag cga gcg	
L Q L L T E N E L H R Q Q E R A	352
ccg ctt tcc aag ttt gga gac tag	
P L S K F G D *	359

5' 3'

Fig. 2A

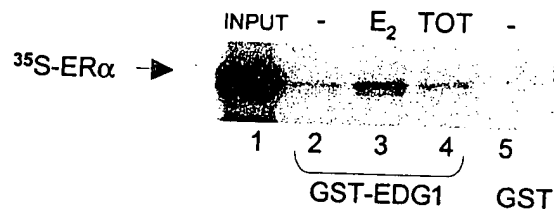


Fig. 2B

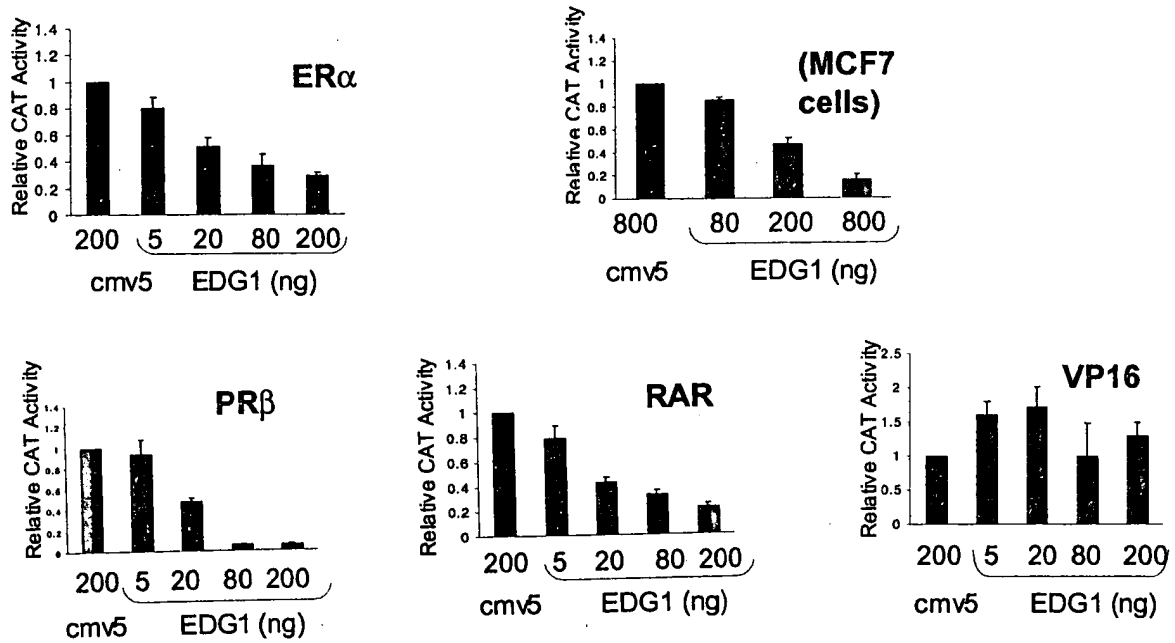


Fig. 2C

GFP-EDG1



GFP-PCMT Vector only



Fig. 3A

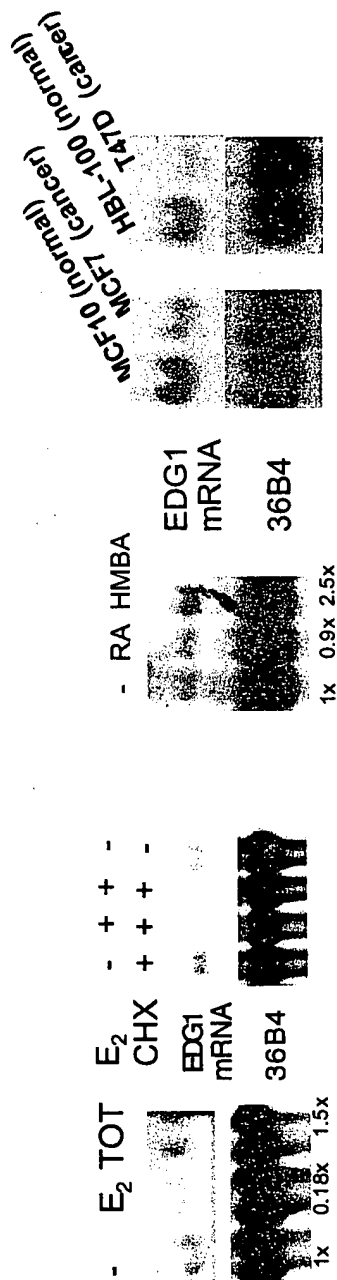
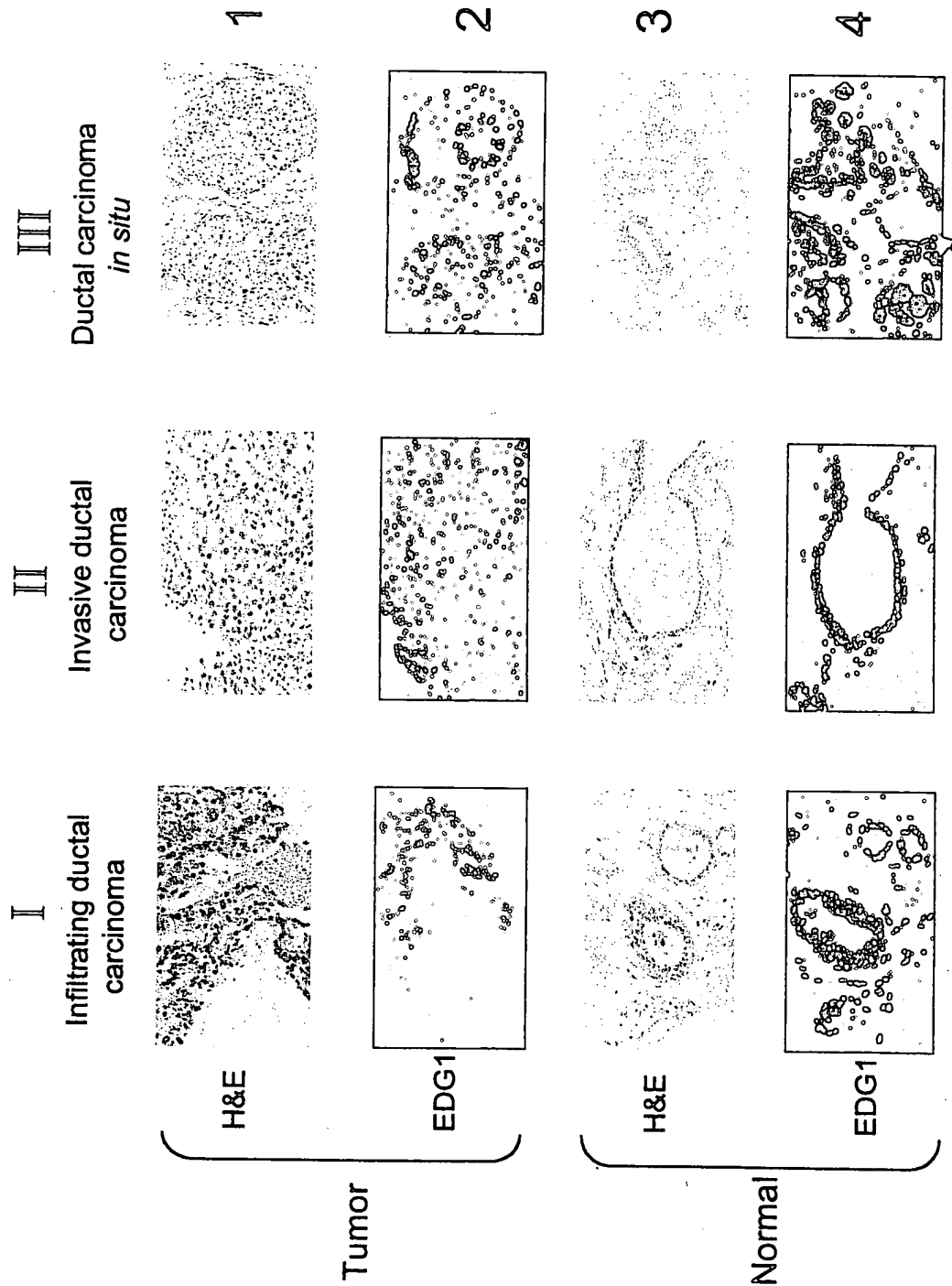


Fig. 3B



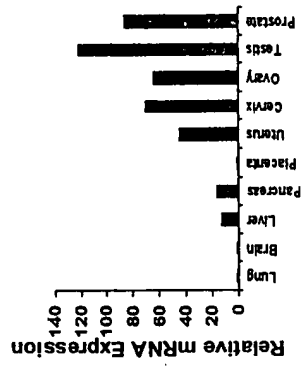


Fig. 3C

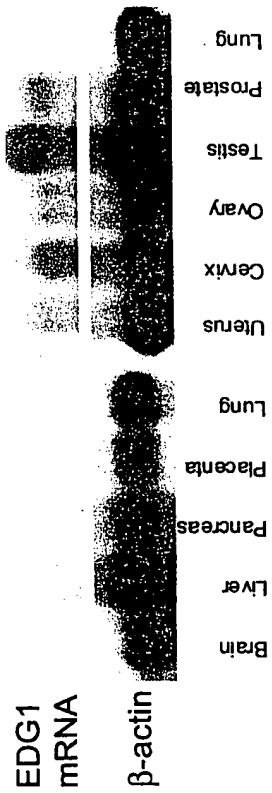


FIG. 3C

Fig. 4A

MCF10



MCF7

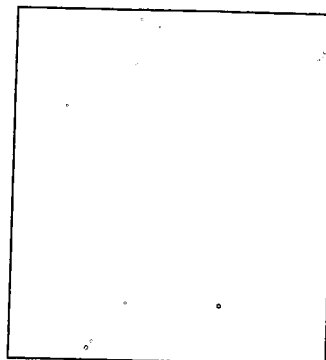


FIG. 4B

Fig. 4B

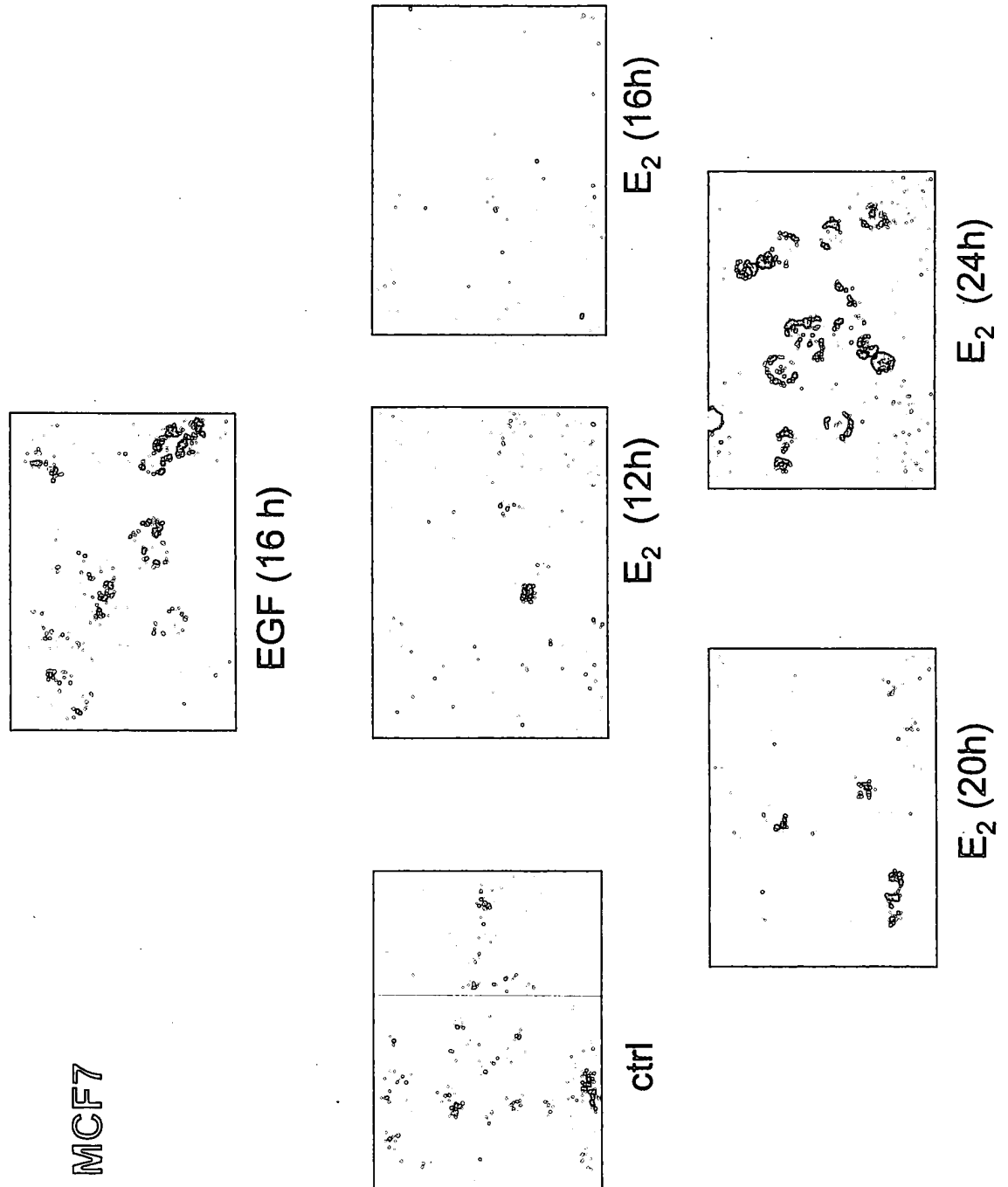


Fig. 4C

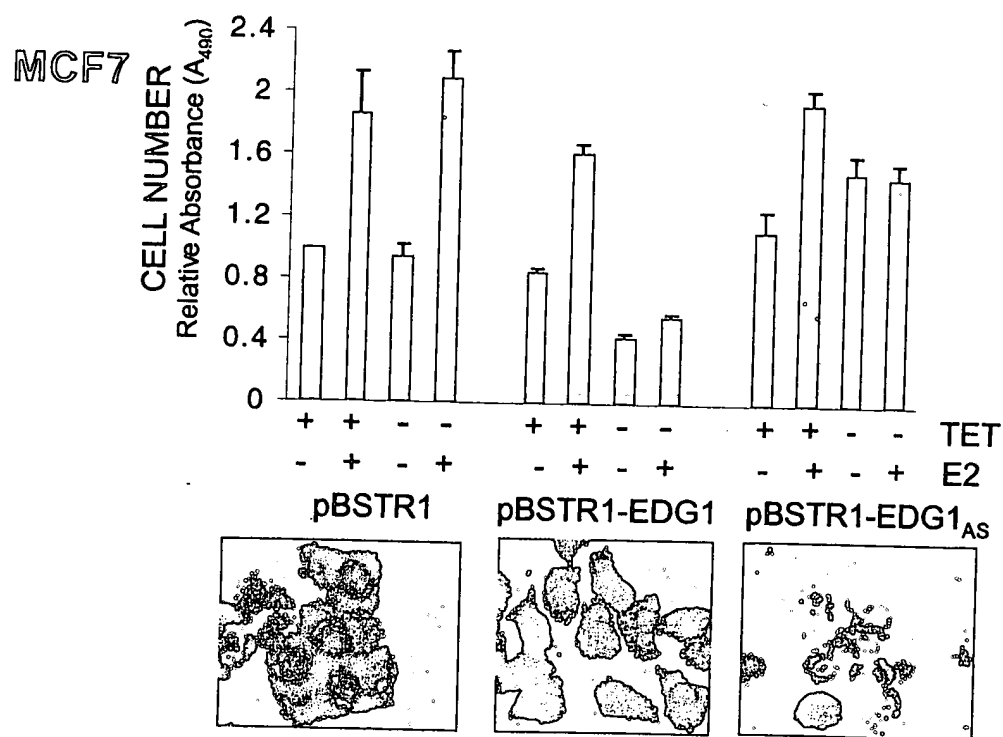


Fig. 4D

MCF7

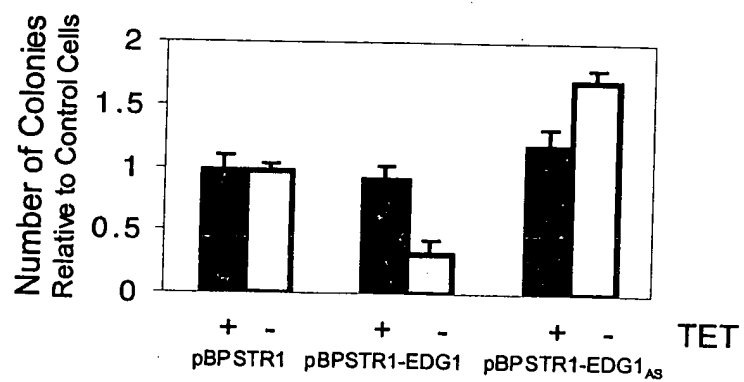


Fig. 4E

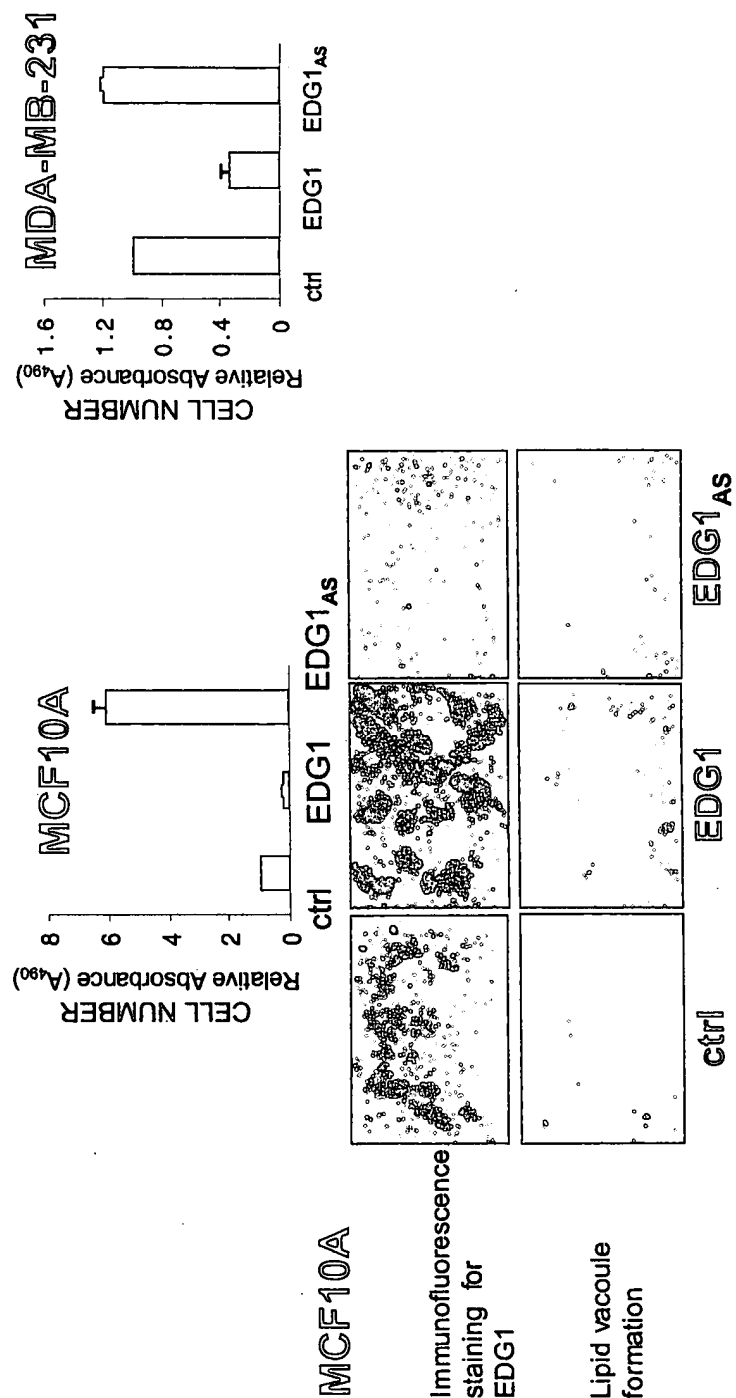


Fig. 5A

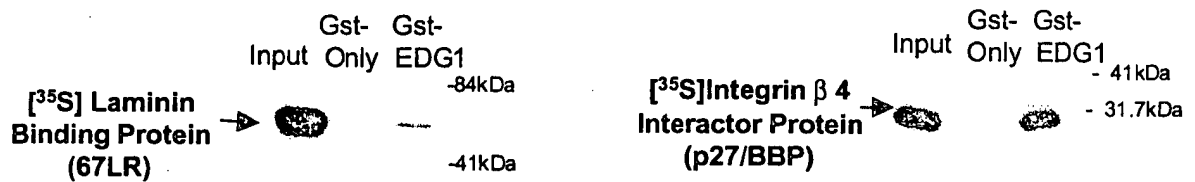


Fig. 5B

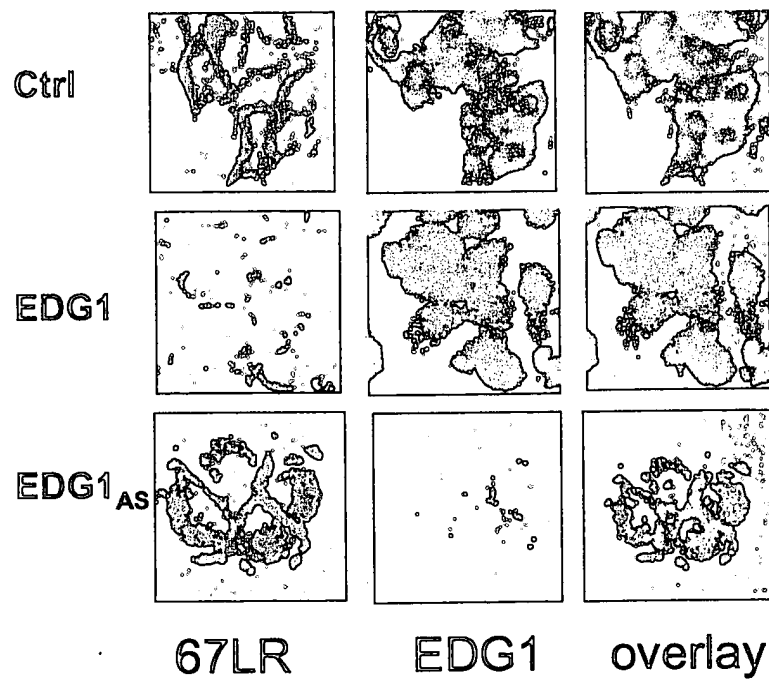


Fig. 5C

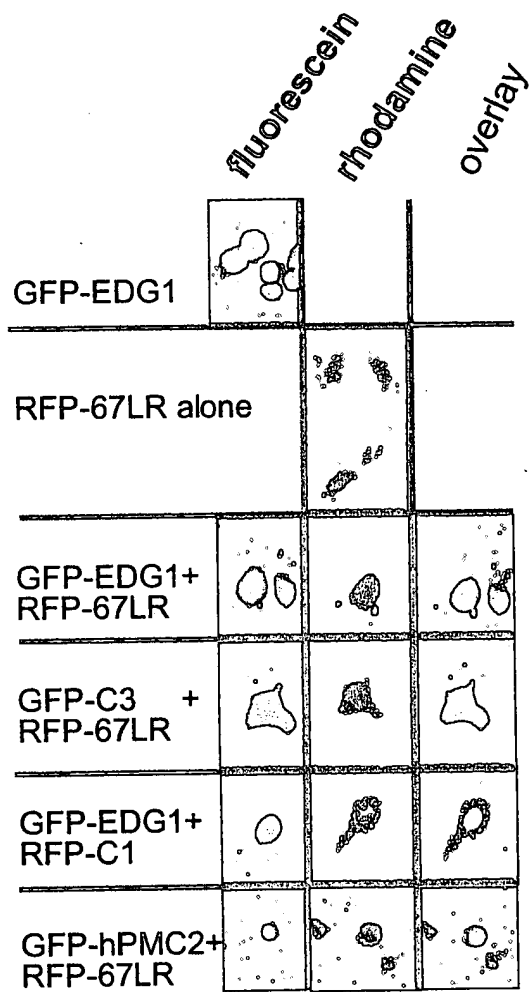


FIG. 5C